

Title (en)

PRESSURE MEASURING CATHETER HAVING REDUCED ERROR FROM BENDING STRESSES

Title (de)

DRUCKMESSUNGSKATHETER MIT VERMINDERTEM FEHLER AUS BIEGESpannungen

Title (fr)

CATHÉTER DE MESURE DE LA PRESSION CARACTÉRISÉ PAR UNE RÉDUCTION DES ERREURS DE MESURE RÉSULTANT DES CONTRAINTES DE FLEXION

Publication

EP 3154420 A1 20170419 (EN)

Application

EP 15730589 A 20150601

Priority

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- US 2015033602 W 20150601

Abstract (en)

[origin: US2015359438A1] Bending stresses experienced by a pressure sensor mounted to a fractional flow reserve catheter when tracking the catheter through the vasculature creates a distortion of the sensor resulting in an incorrect pressure reading or bend error. In order to isolate the sensor from bending stresses, the sensor is mounted with one end coupled to the distal end of the shaft while the other end of the sensor is not coupled to the catheter so that a portion of the sensor is spaced apart from the distal end of the shaft.

IPC 8 full level

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CPC (source: CN EP US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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US 201514595884 A 20150113; CN 201580032242 A 20150601; EP 15730589 A 20150601; US 2015033602 W 20150601;
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